

SEQUENCE LISTING

SEQ ID NO: 1

aa and nucleic acid sequence of p60 subunit of katanin (see Gen
protein sequence of the *S. purpuratus* katanin p60 subunit (GENBANK AF052191

SEQ ID NO: 2

aa and nucleic acid sequence of p80 subunit of katanin
full-length p80 cDNA (GENBANK accession #AF052433

SEQ ID NO: 3

XKCM1 Seq Info.

```
MERLVATRLV TGLAVKIMRS NGVIIRANIT SVNMDRSSVN VEWKEGEANK 50
GKEISFADVI SVNPELLDAV LAPTNVKENH PPQRNVSSON HKRKTISKIP 100
APKEVAAQNS LLESQAQSV LRERSTRMTA IHETLPYENE MEAESTPLPI 150
QQNSVQARSR STKVSIAEEP RLQTRISEIV EESLPSCRNN QGRKSNIVK 200
EMEQGNKRE EQRAQNYERR MGRAQDYDT S VPWEPGKI KEFRATMDCH 250
RISHADPAEE HRICVCVRKR PLKQELSKK EIDIISVPSK NIVLVHEPKL 300
KVDLTXYLEN QAFRDFPSFD ETATNEVYR FTARPLVQSI FEGGKATCFA 350
YGQTGSGKTH TMGGDFSGKS QNVSKGVYAF ASRDVFLLD QPRYKHLDD 400
VFVTFEITN GKVPOLLNKK TKLRVLEDAK QEVQVGLLE KQVTSADDVF 450
KHIEIGSACR TSGQTFANTS SSRSHACLQI LLRSGSKLHG KFSLVDLAGN 500
ERGVDTASAD RITRMGAEI NRSLLALKEC IRALQONKSH TPERESKLTO 550
TLRDSFIGEN SRTCHIAHLS PGFNSCEYTL NTLRYADRVK ELSQNAETN 600
DDNLQMEDSG GSHASIEGLQ LQDDFLLKDE ELSTHNSFQD ALNRVGELED 650
KAVDELRELV QKEPEWTNLL QHTEQPDYDL ENFVQAQAYL IQERSKVLIA 700
LGDSINSLRL ALQVEEQASK QISKRRSNK 730
```

BEST AVAILABLE COPY